

ABSTRACT OF THE DISCLOSURE

An engine control ECU includes a microcomputer, which includes CPU, RAM, ROM, FPU and I/O. The FPU performs floating-point calculations and the CPU carries out operations other than the floating-point calculations. The CPU checks whether non-numeric exists, and performs backup processing when the non-numeric is found. In the backup processing, the RAM data is initialized by writing default values harmless to control as the RAM data. In addition to or alternative to the initialization, the CPU disables a floating-point calculation of the FPU. Without using the FPU, the CPU performs engine control operations by using integer data instead of floating-point data.